

MILAMED, V.G.

Solution of the Stefan problem in the case of the second boundary
value problem. Vest.Mosk.un.Ser.mat., mekh.,astron., fiz., khim.
14 no.1:17-22 '59. (MIRA 13:8)

1. Kafedra merzlotovedeniya Moskovskogo universiteta.
(Thermodynamics)

MELAMED, V.G.

Solution of the problem of temperature regimen in a medium
with periodical phase changes. Izv.AH SSSR.Ser.geofiz. no.6:
886-891 Je '60. (MIRA 13:6)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Chemistry, Physical and theoretical)

KUDRYAVTSEV, V.A.; MELAMED, V.G.

Numerical estimation of heat balance in media with phase transitions as a criterion of temperature shift determination. Izv. Akademiya Nauk SSSR. Ser. geofiz. no.12:1796-1800 D '60. (MIRA 13:12)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Earth temperature)

MELAMED, V.G.

Calculation of thermal cycles in a multiphase medium. Vest.Mosk.un.
Ser.3:Fiz.,astron.,15 no.4:3-8 Jl-Ag '60. (MIRA 13:9)

1. Kafedra merzlotovedeniya Moskovskogo universiteta.
(Soil temperature)

MELAMED, V. G.; KUDRYAVTSEV, V. A.

Numerical method for calculating the thermal economy of soil
in multiphase media with mobile phase boundaries. Merzl.
issl. no.1:32-38 '61. (MIRA 16:1)

(Soil temperature)

KUDRYAVTSEV, V. A.; MELAMED, V. G.; GOLOVKO, M. D.; TRUSH, N. I.

Studying thermal conditions in the body and the foundation
of the earth dam of the Salekhard Hydroelectric Power
Station during its construction and exploitation. Merzl. issl.
no.1:255-306 '61. (MIRA 16:1)

(Salekhard Hydroelectric Power Station—Dams)

KULRYAVTSEV, V. A.; MELAMED, V. G.; GULIKOV, A. Ye.

Calculating methods and the construction plan of cooling
installation for petroleum products being pumped into frozen-
ground reservoirs. Merzl. issl. no.1: 307-317 '61.
(MIRA 16:1)

(Frozen ground)
(Petroleum products—Storage)

KUDRIAVTSEV, V.A.; MELAMED, V.G.

New formula for calculating the depth of seasonal freezing and
thawing of soils in case of like thermophysical characteristics
of frozen and thawed soils. Merzl.issl. no.2:3-17 '61. (MIRA 16:5)
(Frozen ground)

KUDRYAVTSEV, V.A.; MELAMED, V.G.

Formula for calculating the depth of the seasonal freezing
of soils when the thermophysical characteristics of unfrozen
and frozen soils differ. Merz. issl. no.3:3-9 '63.
(MIRA 17:6)

MELAMED, V.G.

Calculation of the temperature fields around underground
frozen ground storage using EI-12 electrointegrators.
Merzl. issl. no. 3:245-250 '63. (MIRA 17:6)

MELAMED, V.G.; KUDRYAVTSEV, V.A.; GULIKOV, A.Ye.

Studying the temperature conditions of icehouses used for
different purposes. Merzl. issl. no.3:276-288 193.
(MIRA 17:6)

MELAMED, V.G.

Numerical integration of the Stefan classical problem in the presence of phase transitions in the temperature spectrum. Izv. AN SSSR. Ser. geofiz. no.2:340-344 F '63. (MIRA 16:3)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.
(Frozen ground) (Heat--Radiation and absorption)

KUDRYAVTSEV, V.A.; MELAMED, V.G.; BAKULIN, V.P.

Forecasting, during operation of the steady-state temperature conditions of the dam and foundation bed of the Vilyuy Hydroelectric Power Station. Vest. Mosk. un. Ser. 4: Geol 18 no.5:70-77 S-0'63. (MIRA 17:2)

1. Kafedra merzlotovedeniya Moskovskogo universiteta.

L 14353-63

EWT(d)/FCC(w)/BDS AFFTC IJP(C)

ACCESSION NR: AP3003855

S/0020/63/151/003/0601/0603

5/2
52

AUTHORS: Ali-Zade, P. G.; Marty*nov, G. A.; Melamed, V. G.

TITLE: Effect of image forces on charge distribution in double electric layer

SOURCE: AN SSSR. Doklady*, v. 151, no. 3, 1963, 601-603

TOPIC TAGS: image force, charge distribution, Poisson-Boltzmann equation

ABSTRACT: Wagner (Phys. Zs., 25, 1924, 474) and Onsager et al (J. Chem. Phys. 2, 1934, 528) postulate that there is no difference in potentials on the boundary of two phases and that the difference in ion concentration in the vicinity of the boundary is due to electrical interaction. On the other hand, Hui-Chapman (Marty*nov, G. A., Sbornik. Issledovaniya v oblasti poverkhnostnykh yavleniy, Izd. AN SSSR, 1963) postulate that change in ion concentration is due to difference in the potential Ψ_0 . The object of this investigation was to find the effect of the

Card

1/B2

L14352-63

ACCESSION NR: AP3003855

electrical interaction in all double layers when $\psi_0 \neq 0$. The Poisson-Boltzmann equation is the foundation of the theory of double electrical layer, and, according to this equation, the energy of the ions in the vicinity of the boundary is zero when the potential is zero. But, due to the presence of ionic atmosphere, the energy of the ions will not be zero when the surface potential ϕ is zero. Consequently, the U_0 from the Poisson equation has the value $U_0 = e\phi + X_e$, where X_e is the energy due to ionic atmosphere. By substituting this expression into the Poisson-Boltzmann equation and after necessary rearrangement, a workable equation has been solved by using the UPM-5 computer. The results of calculations show that, in the case of a monoequivalent solution, the effect of ionic atmosphere is not over 10%, but in case of two-equivalent solutions the value of η calculated by Hui method is 100% higher and it is expected that it will be still higher if polyequivalent solutions are used. Orig. art. has: 1 figure, 1 table, and 7 equations.

ASSOCIATION: Inst. of Physical Chemistry, Academy of Sciences, SSSR

Card

2/32

MELAMED, V.G. (Moskva)

Calculation of the yield of a well in case of a pressureless flow
and a slightly permeable foundation. Izv.AN SSSR,Mekh. i mashinostr.
(MIRA 16:12)
no.5:160-161 8-0 '63.

ACCESSION NR: AP4012008

S/0208/64/004/001/0156/0160

AUTHOR: Melamed, V. G. (Moscow)

TITLE: Method for numerical solution of the boundary value problem for a general second order linear ordinary differential equation on a semi-infinite interval

SOURCE: Zhurnal vychisl. matem. i matem. fiz., v. 4, no. 1, 1964, 156-160

TOPIC TAGS: numerical solution, boundary value problem, linear differential equation, ordinary differential equation, second order equation, numerical integration, asymptotic behavior, limiting problem

ABSTRACT: The author studies the equation

$$y'' + p(x)y' + q(x)y = 0, \quad q(x) < 0, \quad (1)$$

under the conditions

$$y(x_0) = a, \quad y(\infty) = 1, \quad x_0 \geq \Delta > 0 \quad (2)$$

by means of the substitution

$$z = \frac{y'}{y} \quad (3)$$

Card 1/3

ACCESSION NR: AP4012008

which yields

$$z' = -[z^2 + p(x)z + q(x)] = -[z - u_1(x)][z - u_2(x)], \quad (4)$$

where, for definiteness, $u_1(x) < 0$, $u_2(x) > 0$. Integrating (3) from 0 to ∞ , and in view of (2), he obtains the condition for (4)

$$\int_{x_0}^{\infty} z(s) ds = -\infty. \quad (5)$$

The solution of the original problem is reduced to the solution of the Riccati equation (4) under condition (5), since after finding $z = z(x)$ the solution of (1) under condition (2) can be effectively determined from (3) in the form

$$y(x) = \exp \int_{x_0}^x z(s) ds. \quad (6)$$

The author does a qualitative study of (4) under condition (5) which, when $u_1(x)$ is a monotonic function, allows him to give a simple method for numerical solution

Card 2/3

ACCESSION NR: AP4012008

with any given degree of accuracy. Orig. art. has: 14 formulas.

ASSOCIATION: none

SUBMITTED: 19May62

DATE ACQ: 14Feb64

ENCL: 00

SUB CODE: MM

NO REF SOV: 002

OTHER: 002

Card 3/3

KUDRYAVTSEV, V. A.; MELAMED, V. G.

"On calculation of a soil temperature regime at seasonal freezing or thawing of soil."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk,
4-12 May 1964.

Moscow State Univ.

BACHELIS, R.D. (Moskva); MELAMED, V.G. (Moskva)

Numerical integration of a problem concerning the radius of
influence of a well. Zhur. vych. mat. i mat. fiz. 4 no. 1 p. 1-11.
123-128 '64.

Solution of the freezing problem allowing for phase transitions
in the temperature spectrum. Ibid.:2.4-51
(MIRA 18:2)

L 64760-65 EPA/EPT(c)/EWA(c)/EWT(m)/ETG(l)/ENP(f) MM/JW
 ACCESSION NR: AF5021882 UR/0020/65/163/006/1338/1341

AUTHOR: Bachelis, R. D.; Melamed, V. G.

29
B

TITLE: The non-uniqueness of steady-state solutions for systems of combustion-theory equations with sectionally constant reaction rates, thermal conductivities, and diffusivities

SOURCE: AN SSSR. Doklady, v. 163, no. 6, 1965, 1338-1341

TOPIC TAGS: combustion, combustion theory, homogeneous gas combustion

ABSTRACT: An analysis was made of the homogeneous gas combustion described by the system of equations

$$\lambda \frac{du}{dy} = \frac{d}{dy} \left[\alpha(u) \frac{du}{dy} \right] + F(u) C;$$

$$\lambda \frac{dC}{dy} = \frac{d}{dy} \left[\beta(u) \frac{dC}{dy} \right] - F(u) C,$$

under the conditions:

$$u(-\infty) = 0, \quad C(-\infty) = C_0 > 0, \quad C(\infty) = 0,$$

Card 1/2

L 64760-65

ACCESSION NR: AP5021882

where $u > 0$ is the temperature of the mixture; $C > 0$, the concentration of the active substance; $\lambda = \text{const} > 0$, velocity of flame front propagation; $F(u) > 0$, reaction rate constant; and $a(u)$ and $\beta(u)$ are the thermal conductivity and diffusivity, respectively. It had been previously shown that at $u/\beta > 1$, a unique solution exists. In the present analysis, it is shown that at $u/\beta < 1$, non-unique solutions are possible assuming that the functions $F(u)$, $a(u)$, and $\beta(u)$ are constant in n regions. For $n = 1$, the system has no solution, therefore, $n > 2$. As an example, F_k , a_k , β_k , and u_k ($k = 0, 1, 2, \dots, n$) were calculated for two preselected values of λ (1 and 2) in order to satisfy the f solution $u(y)$ and $C(y)$. The results were tabulated. [PV]
Orig. art. has: 1 table and 10 formulas.

ASSOCIATION: none

SUBMITTED: 21Jan65

ENCL: 00

SUB CODE: FP

NO REF Sov: 003

OTHER: 000

ATD PRESS: 4050

Card 2/2

BACHELIS, R.D.; MELAMED, V.G.

Steady-state solutions to the equation describing diffusion coupled with an increase in the quantity of matter under general assumptions concerning the coefficients and function of the source. Vest. Mosk. un. Ser. 1: Mat., mekh. 21 no.1:43-51 Ja-F '66.
(MIRA 19:1)

1. Kafedra matematicheskogo modelirovaniya Moskovskogo gosudarstvennogo universiteta. Submitted April 23, 1964.

L 31138-66 EWT(d)/EWT(m)/T IJP(c) WW/JW/JWD/WE
 ACC NR: AP6012555 SOURCE CODE: UR/0040/66/030/002/0368/0374

AUTHOR: Bachelis, R. D. (Moscow); Melamed, V. G. (Moscow)

ORG: none

TITLE: Nonuniqueness of the stationary solution of systems of combustion theory equations

SOURCE: Prikladnaya matematika i mehanika, v. 30, no. 2, 1966, 368-374

TOPIC TAGS: combustion, combustion theory, combustion analysis

ABSTRACT: A mathematical analysis was made to determine whether the system of non-linear differential equations describing a steady-state combustion process has unique solutions. It was shown that the system of equations:

$$\frac{\partial U}{\partial t} = \frac{\partial}{\partial x} \left[\alpha(U) \frac{\partial U}{\partial x} \right] + F(U)C, \quad \frac{\partial C}{\partial t} = \frac{\partial}{\partial x} \left[\alpha_1(U) \frac{\partial C}{\partial x} \right] - F(U)C \\ F(U) \equiv 0, \quad u \in [0, U_0], \quad F(U) > 0, \quad U > U_0,$$

where U is the temperature of the mixture; $C \geq 0$, concentration of the active substance; $F(U)C$, reaction rate; $\alpha_1(U) > 0$, thermal conductivity; and $\alpha_1(U) \sim 0$, diffusion coefficient, in the general case cannot have a unique solution. This finding is in contrast to previous findings by Kanel (Kanel' N. I. O statsionarnykh

Card 1/2

L 21138-66

ACC NR: AP6012555

resheniyakh dlya sistemy uravneniy teorii goreniya. Dokl. AN SSSR, 1963, T. 149,
no. 2.), who assumed that a unique solution exists. This author obtained a unique
solution for the specific case of $\beta(U) = \text{const} > 1$, where $\beta(U) = a(U)/q(U)$.
Orig. art. has: 18 equations. [PV]

SUB CODE: 21/ SUBM DATE: 23Feb65/ ORIG REF: 005/ ATD PRESS: 4240

Card 2/2

BACHELIS, R.D.; MELAMED, V.G.

Solution of a limiting boundary value problem for an equation
derived in solving Stefan's generalized classical problem.
Sib. mat. zhur. 5 no.4:738-745 Jl-Ag'64 (NRA 17:8)

E. R1971-66 EMT(d)/EMT(1)/f/ETC(m)
ACC NR: AF6000019

IJP(c) WW

SOURCE CODE: UR/0208/65/005/006/1124/1129

44 55 14 55
AUTHORS: Bachelis, R. D. (Moscow); Melamed, V. G. (Moscow)58
03

ORG: none

TITLE: Algorithm for the numerical solution of isothermal network propagation of a flat flame

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 5, no. 6, 1965, 1124-1129

TOPIC TAGS: flame propagation, mathematic analysis, algorithm, error minimization

ABSTRACT: A brief investigation is made to calculate the algorithm for numerically calculating flat flame propagation and for estimating the magnitude of $\lambda^{(0)} = \sqrt{2k\alpha'}$. For $y = x + \lambda t$, the equation for the concentration of the combustion end-products $U(x, t)$ in a flat isothermal flame is given by

$$\lambda c(U) - \frac{dU}{dy} - \frac{d}{dy} \left[c(U) \frac{dU}{dy} \right] + \varphi(U), \quad (1)$$

$$U(-\infty) = 0, \quad (2)$$

$$U(\infty) = 1. \quad (3)$$

Card 1/3

UDC: 517.9:536.2

E 11974-66

ACC NR: AF6000019

with solutions that are valid in the domain $0 < U < 1$, $-\infty < y < +\infty$. It is shown that $U(y)$ is a monotonically increasing function and hence can be used as an independent variable to yield

$$\frac{du}{ds} = \lambda - \frac{F(s)}{s}, \quad (4)$$

$$v(0) = 0, \quad (5)$$

$$v(1) = 0. \quad (6)$$

$$u(U) = C \int_0^U c(s) ds, \quad v(u) = C k [U(u)] U'(u),$$

$$F(u) = \frac{C k [U(u)] v[U(u)]}{c[U(u)]}, \quad C = \left(\int_0^1 c(s) ds \right)^{-1}$$

A series of lemmas is considered to show that equation (4-6) above has only one solution for $v(1) = 0$ and that $\lambda \geq 0$. Two additional lemmas are given to show the existence of two families of integral curves for equation (4-6). It is then shown that the lower and upper limit of $\lambda^{(0)}$ is given by

$$2/F(0) \leq \lambda^{(0)} \leq 2/\sup_{(0,1)} (F(u)/u),$$

if the following condition holds

$$\sup_{(0,1)} (F(u)/u) = F(0).$$

Card 2/3

L 11974-66

ACC NR: AP6000019

Finally, by defining the smallest possible n-value, conditions are derived for determining $\lambda^{(0)}$ with an error not exceeding a given ϵ . Orig. art. has: 13 equations and 1 figure.

SUB CODE: 20, 12/

SUBM DATE: 08Jun64/

SOV REF: 003/

BC

Card 3/3

MELAMER, V. I.

Obratotka detalei na metallorezhushchikh stankakh; spravochnoe rukovodstvo.
Obratotka detalei na metallorezhushchikh stankakh; spravochnoe rukovodstvo.
Moskva, Mashgiz, 1948. 256 p. (chiefly diagrs., tables) Bibliography: p. 20

Machine parts on metal-cutting machines; reference book.

PLC: TJ1230.M4

SC: Manufacturing and Mechanical Engineering in the Soviet Union, Library of
Congress, 1953.

MELAMED, V.I., HUSHCHITS, V.R.

Cermet nozzle for sand blast apparatus used in cleaning castings.
Stroi.i dor.mashinostr. no.1:30 Ja '57. (MLRA 10:2)
(Nozzles) (Sandblast)

121-7-11/24

AUTHOR:

MELAMED, V.I.

TITLE:

Multiple Cutting Mineral, Ceramic Tips. (Mnogolezviynnye
mineralokeramicheskiye plastinki, Russian)
Stanki i Instrument, 1957, Vol 28, Nr 7, pp 28-29 (U.S.S.R.)

PERIODICAL:

ABSTRACT:

The soldering of mineral ceramic tips to the blade holder requires more work than their mechanical fastening. The existing method of mechanical fastening does not warrant uniform distribution of pressure on the tip. A large number of the tips breaks as a result of high local stresses caused by being fastened in the holders. Tips with several blades and a hole for fastening do not have the aforementioned disadvantages. Illustration 1 shows the new shapes of multiple cutting tips made by the Chelyabinsk works, and illustration 2 shows the new blade holder. In a factory of the same town such a device is said to have held out for 12 working shifts when scrubbing cast iron at a cutting velocity of 260 m/min, a thickness of cuttings of 1,5-2 mm, and a feed of 0,3 mm/revs. In all these cutting tools the upper tip holders have soldered-on chip breakers. Tests carried out with such cutting tools confirmed the advantages they offered, in that it was proved possible to work in the case of a cutting-thickness of up to 5-6 mm and feed of up to 0,5-0,6 mm/revs. Besides, surface

Card 1/2

121-7-11/26

Multiple Cutting Mineral Ceramic Tips.

cleanliness was found to be better than in the case of hard metal tips. Fastening the tips by means of a screw warrants uniform pressure being brought to bear upon the tip and also permits quick readjustment of the tip to a new blade.

ASSOCIATION: Not given

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

Card 2/2

AUTHOR:

Melamed, V. I.

SOV/115-58-1-22/50

TITLE:

A Torsional Lever-Dynamometer with Optical Equipment (Torsi-
onno-rychazhnyy dinamometr s opticheskim ustroystvom)

PERIODICAL:

Izmeritel'naya tekhnika, 1958, Nr 1, pp 39 - 40 (USSR)

ABSTRACT:

In the Metal Cutting Laboratory of ChIMESKh, a torsional lever dynamometer equipped with an optical device is used for measuring resistance in the cutting of thin metal chips. The dynamometer is mounted on a special cantilever attached to a lathe, 2 m from the source of light, and 3 m from the 400 cm long dial, on which the applied cutting force up to 125 g can be registered. The dynamometer was tested in the planing of annealed copper. There is 1 diagram.

1. Metals--Machining
2. Cutting tools--Performance
3. Dynamometers--Performance

Card 1/1

MELAMED, V.I.

Processing profile graphs of finish machined surfaces. Study Sec.
po kach.poverkh. no.4:282-290 '59. (MIRA 13:6)
(Surfaces (Technology)--Measurement)

S/145/60/000/003/009/010
D221/D301

AUTHORS: Melamed, V.I., Candidate of Technical Sciences, Docent
and Davidyuk, V.I., Engineer

TITLE: On the problem of evaluating plastic deformation
of copper during machining

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Mashino-
stroyeniye, no. 3, 1960, 97 - 105

TEXT: The authors apply the method of induced thermoelectric motive force, developed by Professor N.F. Kunin, in investigating the plastic deformation of chips. This is based on internal changes in the physical properties of the latter and not on the outside phenomena of plastic deformation in the metal. The changes in chip contraction and thermo-electric qualities of the deformed chip were examined in relation to the thickness of cut and the rake of tool. Plastic deformation is accompanied by work hardening which is explained by distortion of crystal matrix, produced from the transfer into heat of a part of energy due to deformation. The absorbed ener-

Card 1/5

S/145/60/000/003/009/010
D221/D301

On the problem of evaluating ...

gy determines the new thermo-electric properties of deformed metal as compared to the characteristics of the un-deformed metal. This enables realization of the chemically homogeneous thermocouple, one part of which is deformed and the other part is annealed. The examination of the thermo-electric motive force in relation to the plastic deformation of copper was carried out in tension, torsion, rolling and bending. In all cases it proved to be proportional to the relative deformation, $C = B\varepsilon$, where C is the thermoelectric force due to 1°C in temperature difference; B is a constant depending on the nature of metal and conditions of deformation; ε is the relative deformation. The plastically deformed chip contains the results of all phenomena that take place during machining. The tests were carried out on a screw-cutting lathe, 1615, with an optical device on the dynamometer. A support held an indicator for precise measurement of chip thickness. The tools were made of W X-15 (ShKh-15) steel with various cutting angles and lapped edges. The copper specimens were accurately machined and annealed in hermetic crucible to prevent oxidation. The unavoidable thin film of scales was removed by pickling. The annealed specimens were shaped. The second chip was deformed. The choice of copper is due to the following

Card 2/5
H

S/145/60/000/003/009/010
D221/D301

On the problem of evaluating . . .

considerations: There is no welding of chip which flows out; the method of thermo-electric motive force is fully applied for investigating plastic deformations due to tension, compression and torsion of copper, and during measurements the whole circuit is of one homogeneous metal. The experimental apparatus is shown in Fig. 2. The contact point of first and second nips was cooled to 0°C in container 1 with melting ice. The free ends of obtained thermo-couple were placed in container 2, which held paraffin at room temperature. The changes in temperature of ice and paraffin were measured by precise thermometers 3 and 4. The difference of temperatures between two containers produced the thermo-electric force, measured by galvanometer $\frac{G}{A}$. The results of tests on the investigation of the effect of cut thickness and the rake on longitudinal contraction of chip were plotted. The above demonstrate that the first chip has a greater contraction than the second. The larger contraction corresponds to greater force P_z . The thermo-electric force drops with the increase of cutting angle δ . A deeper cut decreases the plastic deformation of the chip, but the latter increases with larger rakes. The relative shear ϵ , does not depend on the depth of cutting, and

Card 3/5
4

S/145/60/000/005/009/010
D221/D301

On the problem of evaluating ...

therefore, cannot express the plastic deformation of chip. The longitudinal contraction falls somewhat with increase of chip thickness. The chip becomes wider with greater thickness of cut and larger rake. There are 7 figures and 9 bibliographic references.

ASSOCIATION: Chelyabinskii institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva (Chelyabinsk Institute of Mechanization and Electrification of Agriculture)

SUBMITTED: May 12, 1959

Card 4/5

KELAMED, V.I.; DAVIDYUK, V.I.

Two-component dynamometer with optical reading. Izm. tekhn.
no. 6:20 Jo '60. (MIRA 14:2)
(Dynamometer)

MELAMED, V.I.; ROGACHEV, F.I.

Determining the depth of workhardened metal layer by the
method of cutting thin shavings and measuring the thermoelectric
power. Trudy Sem.po kach.poverkh. no.5:248-255 '61.

(MIRA 15:10)

(Surface hardening—Measurement)

RELAZED, V.I., kand.tekhn.nauk, dozent; DAVIDYK, V.I., assistent;
CHAGITSEVA, A.A., assistent.

Cutting force and chip stripping in cutting-off a workhardened
steel . . . Uss. vyp. ichet. zav.; mashinostr. no.6:147-16
'61 (MIRA 14)

1. Chelyabinskij institut mehanizatsii i elektrifikatsii
economy.
(Metal cutting)

KUDRYAVTSEV, Yuriy Georgiyevich; MELAMED, Vladimir Ionovich, kand.tekhn.nauk;
MEL'NIKOV, Andrey Sergeyevich; KUTUKOV, V.F., inzh., retsenzent;
ROZENTSVEYG, V.D., inzh., retsenzent; KUNIN, N.F., doktor fiz.-mat.
nauk, red.; DUGINA, N.A., tekhn. red.

[Production and use of ceramic articles in the machinery industry]
Proizvodstvo i primenie mineralokeramicheskikh izdelii v ma-
shinostroenii. Pod red. N.F.Kunina i V.I.Melameda. Moskva, Mash-
giz, 1962. 157 p. (MIRA 15:10)
(Machinery industry) (Ceramics)

1160

S/126/62/013/001/016/018

E073/E535

1160

AUTHORS: Kunin, N.F., Melamed, V.I. and Davidyuk, V.I.

TITLE: On the relation between various types of deformation
and the process of machining metals

PERIODICAL: Fizika metallov i metallovedeniye, v.13, no.1, 1962,
154-157

TEXT: According to existing views, the process of cutting
plastic metals is based on plastic deformation of the metal
which is transformed into chip. In establishing quantitative
relations between various types of plastic deformation, two
means are available, the first is to find a flow curve for the
metal which is the same for all types of deformation, the second
consists of establishing the equivalent specific deformation
work for various methods of deformation. In establishing equiva-
lent flow curves, it is necessary to plot a single flow curve
for various types of deformation; thereby, the degree of deforma-
tion and the stress state are taken as equivalents. As a
criterion of the coincidence of flow curves for various types of
deformation, experimental results were used which are based on

Card 1/3

On the relation between various ... S/126/62/013/001/016/018
E073/E535

purely mechanical tests of measuring the size of the metal before and after deformation. In machining, the dimensions of the deforming metal layer before and after deformation are determined from the deformation of the chip and, therefore, establishment of quantitative relations between various types of deformation in the process of cutting can be related only to this quantity, which is an external feature and does not determine the plastic deformation of the metal itself. In investigating the equivalent specific deformation work for various methods of deformation, the method of induced thermo e.m.f. can be applied. It was found possible to plot a single curve of the change in the induced thermo e.m.f. caused by distortions in the crystal lattice resulting from plastic deformation as a function of the specific deformation work. On the assumption that the nature of internal changes in the metal is the same for all types of plastic deformation, the method of induced thermo e.m.f. can also be applied in studying the process of machining. The results are given of measurements of the induced thermo e.m.f. of chips produced during turning of copper discs on a thread-cutting lathe. The chip was cut at a speed of 8 m/min, whereby the thickness of the chip was varied.

Card 2/3

On the relation between various ... S/126/62/015/001/016/018
E073/E535

between 0.1 and 0.82 mm. It was found that the dependence of the thermo e.m.f. on the specific deformation work can be expressed by means of a single general curve for torsion, tension, rolling and cutting. For all these types of deformation, approximately the same induced e.m.f. corresponds to equal deformation work. The assumption that the equivalence of deformation should be evaluated on the basis of equivalence of specific deformation work was confirmed by the thermo e.m.f. method as being valid also for the case of the machining of copper. Measurements of the induced thermo e.m.f. of chip may prove useful for finding generally valid relations inter-linking the process of machining of metals with other well known types of deformation. There are 3 figures.

ASSOCIATION: Chelyabinskiy institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva
(Chelyabinsk Institute of Mechanization and Electrification of Agriculture)

SUBMITTED: April 3, 1961

Card 3/3

X

L 13526-63

EWP(k)/EWT(d)/EWP(g)/EWT(m)/BDS AFFTC/ASD Pf-4 JD
S/0122/63/000/006/0058/0060

ACCESSION NR: AP3002603

AUTHOR: Melamed, V. I. (Candidate of technical sciences, Docent);
Rogachev, F. I. (Engineer)TITLE: A study of the micropolishing process. 16(63)
(2)

SOURCE: Vestnik mashinostroyeniya, no. 6, 1963, 58-60

TOPIC TAGS: micropolishing, surface roughness, carbonated water
coolant

ABSTRACT: The micropolishing method was tested on a lathe and on a special grinder for U-shaped parts. It was desired to polish specimens with original surface roughness of the 7th to 9th class.
[Abstracter's note: roughness classes are not explained.] The difference between the usual polishing and micropolishing methods is that in the latter the part to be polished rotates at a high speed while the polishing wheel rotates slowly. An attachment designed by Institut mashinovedeniya AN SSSR (Institute of Science of Machines, Academy of Sciences, USSR) for use on the lathe model 1616 was used in experiments. Various types of steel bars with different diameters were polished by the new method. A second set of experiments was

Card 1/2

L 13526-63

ACCESSION NR: AF3002603

made on the semiautomatic lathe LZ-260, designed for polishing the grooves for inner rings of double spherical ball bearings. Different kinds of polishing wheels were tested and various cutting fluids were used in the experiments. The authors conclude that this method improves surface smoothness and that carbonated water should be used as a coolant. Orig. art. has: 2 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 15Jul63

ENCL: 00

SUB CODE: 00

NO REF Sov: 004

OTHER: 000

Card 2/2

MELAMED, V.I., kand. tekhn. nauk; MURDASOV, A.V., inzh.

Effect of the unbalance of the grinding wheel and the gap in spindle
bearings of a grinding machine on the finish of the machined surface.
Vest. mashinostr. 44 no.10, 64-66 O '64. (MIRA 17:11)

"APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033330001-7

Mr. [redacted] [redacted]; [redacted] [redacted] [redacted]

Planning [redacted] [redacted] [redacted] [redacted]
in you. [redacted] [redacted] [redacted] [redacted] [redacted]

APPROVED FOR RELEASE: 07/12/2001

CIA-RDP86-00513R001033330001-7"

UL'MAN, I.Ye., dots., kand. tekhn. nauk, otv. red.; KHARITONCHIK, Ye.M., prof., otv. za vyp.; Prinimali uchastiye: LEEDEV, S.P., prof., doktor tekhn. nauk, red.; SERGEYEV, M.P., prof., red.; KUZNETSOVA, A.V., doktor sel'khoz. nauk, red.; MELAMED, V.I., dots., red.; DEULIN, N.P., dots., red.; SOKOLOV, B.F., dots., red.; ROMALIS, B.L., dots., red.; RASKATUVA, Ye.A., dots., red.; TONN, G.A., kand. tekhn. nauk, red.; PANUS, Yu.V., st. prepod., red.; KUBYSHEV, V.A., st. prepod., red.

[Materials of the Jubilee Scientific Conference of the Chelyabinsk Institute of the Mechanization and Electrification of Agriculture] Materialy Jubileinoi nauchnoi konferentsii. Cheliabinsk. Pt.1.[Investigation of the elements of design and the system of agricultural machinery] Issledovanie elementov konstruktsii i sistemy mashin v sel'skokhoziaistvennom proizvodstve. 1962. 122 p. Pt.2.[Improvement in the design of machinery and the means for prolonging their service life] Sovremenstvovanie konstruktsii mashin i puti uvelicheniya ikh dolgovechnosti. 1962. 118 p. Pt.3.[New methods for using electric power in mobile units and technological processes in agriculture] Novye sposoby ispol'zovaniia elektricheskoi energii v mobil'nykh agregatakh i tekhnologicheskikh protsessakh sel'skokhoziaistvennogo proizvodstva. 1962. 44 p. (MIRA 16:8)

1. Chelyabinsk. Institut mekhanizatsii i elektrifikatsii sel'skogo khozyaystva.
(Agricultural machinery) (Electricity in agriculture)

PICHUGIN, A.A.; VLASOV, V.M.; MELAMED, V.Z.; LYUBIMOV, B.N.

Sprayer for dust settling sprinkler devices. Biul.TSIIICHM
no.4:50 '61. (MIRA 14:10)
(Sprinklers)

MIL'AKHIN, Ya.H., podpolkovnik med. sluzhby

Using Paikin's method in preventing pyoderma. Voen.med,zhur.
no.3:91 Mr '57. (MIRA 11:3)
(SKIN--DISEASES)

MELAMED, Ya.P.

Intracosseous pelvic anesthesia in prostatectomy. Zdrav. Kazakh.
22 no.2:19-22 '62. (MIRA 15:4)

1. Iz khirurgicheskogo otdeleniya zheleznodorozhnoy bol'nitsy
g. Ural'ska (glavnnyy vrach - B.A. Abdurakhmanov).
(PROSTATE GLAND--SURGERY) (LOCAL ANESTHESIA)

MELAMED, Ya.P.; SHCHEGLOVA, N.G.

Case of echinococcal hydatid cyst of hip muscles. Zdrav. Kazakh.
22 no.11:70-71 '62. (MIRA 16:2)

1. Iz khirurgicheskogo otdeleliya zheleznodorozhnoy bol'niitsy
g. Ural'ska. (MUSCLES—HYDATIDS)

KREYDENKOV, G.P.; MELANDJI, Tch.R.

Synchronism of the Ad. - A. bimaculata (L.) and A. tenuis (L.)
southern Fien Shan, 1965. All data. (in Russian) (USSR)
(MIRA 18:10)

I. Yushno-Tadzhikskaya (Tadzhikistan). 1965.
Submitted March 9, 1965.

SHVANOV, V. N.; MELAMED, Ya. R.

Mineralogy of lower Cretaceous red beds in the Tajik Depression.
Vest. LGU 15 no.18:66-74 '60. (MIRA 13:9)
(Tajik Depression---Rocks, Sedimentary)

MELAMED, Ya.R.

Some problems of Neogene paleogeography in southwestern Tajiki-
stan. Nauch. trudy TashGU no.256 Geol. nauki no.22:63-67 '64
(MIRA 18:2)

MELAMED, Ya.R.

Some problems of the methods and efficiency of the mineralogical
analysis of molasses. Zap. Tadzh. otd. Vses. min. ob-va no.2:132-
139 '64. (MIRA 18:9)

MELAMED, Ye.L.

Paravulvar diathermic denervation as a method of treatment of
vulvar kraurosis and leukoplakia. Kaz. med. zhur. no.5:56-58
(MIRA 16:12)
S-0163

1. Leningradskiy gorodskoy onkologicheskiy dispanser (glavnnyy
vrach - S.S.Yaritsyn).

SECRET - 7

... dangerous influences of the will and the potential for many
commitments; based on information from various sources
in Germany. Very, very. It's a difficult one.

SECRET - 8

... the information is good, but it's not clear if it's true.
Very, very. It's a difficult one.

MELAMED, Ye.Ya. (Odessa)

Boundedness characteristics of solutions of certain partial-differential boundary value problems in a Banach space [with summary in German]. Ukr.mat.zhur. 10 no.4:394-404 '58.

(MIRA 12:1)

(Functional analysis)

AUTHOR:

Melamed, Ye. Ya.

SOV/20-120-6-7/59

TITLE:

On the Stability of the Solutions of Some Differential Partial Boundary Value Problems in the Banach Space (Ob ustoychivosti resheniy nekotorykh differentsial'nykh krayevykh zadach s chastnymi proizvodnymi v Banakhovom prostranstve)

PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 120, Nr 6, pp 1194-1195(USSR)

ABSTRACT: In the semiplane $Q : -\infty < x < \infty, t > 0$ the author considers the following boundary value problems :

$$(1) \frac{\partial u}{\partial t} - a \frac{\partial u}{\partial x} - A(x, t)u = f(x, t), \quad u(x, 0) = \varphi(x)$$

$$(2) \frac{\partial u}{\partial t} - a^2 \frac{\partial^2 u}{\partial x^2} - A(x, t)u = f(x, t), \quad u(x, 0) = \varphi(x) \quad (a \neq 0)$$

$$(3) \frac{\partial^2 u}{\partial t^2} + 2\alpha \frac{\partial u}{\partial t} - a^2 \frac{\partial^2 u}{\partial x^2} - A(x, t)u = f(x, t),$$

$$u(x, 0) = \varphi(x), \quad u'_t(x, 0) = \psi(x)$$

$f(x, t), \varphi(x), \psi(x)$ are given functions with values in the complex Banach space E , defined and continuous in Q ; $\alpha > 0$

Card 1/3

On the Stability of the Solutions of Some Differential SOV/20-120-6-7/59
Partial Boundary Value Problems in the Banach Space

and α are real numbers; $A(x, t)$ is a continuous operator function with values in the normed ring R of all linear continuous operators in E . Let the family $\{A(x, t)\}$ be compact.

Let to every $\epsilon > 0$ exist a $T > 0$ so that for all x_1 and x_2 from

$t_1 > T$, $t_2 > T$, $|t_1 - t_2| \leq 1$ it follows $\|A(x_1, t_1) -$

$- A(x_2, t_2)\| < \epsilon$. The operator $A_\omega \in R$ is called ω_t -limit

operator for $A(x, t)$, if there exists a sequence $(x_n, t_n) \in Q$,

$t_n \rightarrow \infty$ so that $\lim_{n \rightarrow \infty} A(x_n, t_n) = A_\omega$. (1) and (2) are called

stable, if for arbitrary f and φ uniformly bounded in Q , the solution is uniformly bounded in Q too. (3) is called stable, if for uniformly bounded f, φ, φ' , the solution is uniformly bounded too.

Theorem: In order that (1) and (2) are stable, it is necessary and sufficient that the spectra of all ω_t -limit operators of $A(x, t)$ lie in the left half plane.

Theorem: In order that (3) is stable, it is necessary and sufficient that the spectra of all ω_t -limit operators of

$A(x, t)$ lie within the parabola $\eta^2 = -4\alpha^2 \varphi$.

Card 2/3

On the Stability of the Solutions of Some Differential SOV/20-120-6-7/59
Partial Boundary Value Problems in the Banach Space

There are 6 Soviet references.

ASSOCIATION: Odesskiy pedagogicheskiy institut imeni K.D. Ushinskogo
(Odessa Pedagogical Institute imeni K.D. Ushinskogo)

PRESENTED: February 19, 1958, by I.G. Petrovskiy

SUBMITTED: January 27, 1958

1. Topology 2. Mathematics

Card 3/3

MELAMED, Ye. Ya.: Master Phys-Math Sci (diss) -- "Indications of limitations on the solutions of certain systems of linear differential equations with partial derivatives lacking an 'older' term". L'vov, 1959. 11 pp (Min Higher Educ Ukr SSR, L'vov State U im I. Franko), 150 copies (KL, No 1^z, 1959, 99)

16(1)

AUTHOR:

Melamed, Ye. Ya.

SOV/140-59-2-14/30

TITLE:

Marks of Boundedness of the Solutions of Some Systems of Partial Linear Differential Equations (Priznaki ogranicchennosti resheniy nekotorykh sistem lineynykh differentsial'nykh uravnenii s chastnymi proizvodnymi)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Matematika, 1959,
Nr 2, pp 144-157 (USSR)

ABSTRACT: Let E be a complex Banach space, R be a normed ring of linear operators mapping E into a partial domain. Let the system

$$(1) \frac{\partial^2 u}{\partial t^2} - a^2 \frac{\partial^2 u}{\partial x^2} - Au = f(x, t), \quad u(x, 0) = \Psi(x), \quad u_t(x, 0) = \Psi_t(x).$$

where $A \in R$ and f, Ψ, Ψ_t for $-\infty < x < \infty, t \geq 0$ are defined and continuous functions, have a unique solution. A function $g(x, t)$ defined for $t \geq 0$ is called α -bounded if

$$\sup_{t \geq 0} \|g(x, t)e^{-\alpha t}\| < \infty.$$

Theorem 1: In order that to arbitrary α -bounded f, Ψ, Ψ_t , there corresponds an α -bounded solution of (1) it is necessary and sufficient that the spectrum of A lies inside of the parabola

Card 1/2

Marks of Boundedness of the Solutions of Some Systems SGV/140-59 2-14/30
of Partial Linear Differential Equations

$\eta^2 = 4\alpha^2(\alpha^2 - \xi)$ ($\lambda = \xi + i\eta$). Let now $A \equiv A(x, t)$; let the family $\{A(x, t)\}$ be compact in the sense of the operator norm; so for any $\epsilon > 0$ let exist a $T_1 > 0$ so that from $t_1 > T_1, t_2 > T_1, |t_1 - t_2| \leq \epsilon$ there follows $\|A(x_1, t_1) - A(x_2, t_2)\| < \epsilon$.

Theorem 2 states that the assertion of theorem 1 remains true if A is replaced by all limit operators A_∞ , which arise from $\{A(x, t)\}$ if $|x| + t \rightarrow \infty$, $t \rightarrow \infty$. The method used for the proof is due to M.A. Rutman [Ref 1, 2, 3, 4]. Besides a result of M.G. Kreyer [Ref 3] is obtained.

There are 9 references, 7 of which are Soviet, 1 German, and 1 English.

ASSOCIATION: Odesskiy gosudarstvennyy pedagogicheskiy institut imeni K.P. Ushinskogo (Odessa State Pedagogical Institute named K.P. Ushinskiy)

SUBMITTED: March 12, 1958

Card 2/2

MELAMED, Ye.

Letter to the editor. Izv.vys.ucheb.zav.; mat. no.6:229
'59. (MIRA 13:3)
(Differential equations, Partial)

MELAMED, Ye.Ya. (Odessa)

Use of semigroups in studying the boundedness of the solutions
to certain differential equations in Banach space. Izv. vys.
ucheb. zav.; mat. no.6;123-133 '64. (MIRA 18:3)

MELAMED, Yu. I.

Change of the content of group antigens in human blood erythrocytes
in muscular work. Lab.delo 2 no.3:22-23 My-Je '56. (MLRA 9:10)

1. Iz Arkhangel'skogo pedagogicheskogo instituta (dir. - dotsent
A.I.Klimov)
(ANTIGENS AND ANTIBODIES) (ERYTHROCYTES)

PANOV, Pano, d-r inzh.; MELAMED, Zhuli, inzh.; DIMITROV, Ivan, inzh.

Peculiarities in constructing plastic articles. Tekhnika Bulg
13 no.9:1-3 '64.

MELAMED, Z.M.

KUZ'MICH, A.S., redaktor; BARABANOVA, F.A., redaktor; BOBROV, I.V., redaktor;
VLADIMIRSKIY, V.V., redaktor; GRAFOV, L.Ye., redaktor; DOKUKIN, A.V.,
redaktor; YERASHKO, I.S., redaktor; ZABLUDSKIY, G.P., redaktor; ZADE-
MIDKO, A.N., redaktor; ZAYTSEV, A.P., redaktor; ZASADYCH, B.I., redak-
tor; KAGAN, F.Ya., redaktor; KRASNIKOVSKIY, G.V., redaktor; KRIVONOGOV,
K.K., redaktor; LALAYANTS, A.M., redaktor; MELAMED, Z.M., redaktor;
MINDELI, E.O., redaktor; MOGILEVSKIY, N.M., redaktor; OSTROVSKIY, S.B.,
redaktor; POPOV, T.T., redaktor; SKOCHINSKIY, A.A., redaktor; SKURAT,
V.K., redaktor; SOBOLEV, G.G., redaktor; STUGAREV, A.S., redaktor;
SUMCHENKO, V.A., redaktor; TERPIGOROV, A.M., redaktor; SHEVYAKOV, L.D.,
redaktor; SHELKOV, A.A., redaktor; ANDREYEV, G.G., tekhnicheskiy redaktor

[Safety regulations in coal and shale mines] Pravila bezopasnosti v
ugol'nykh i slantsevykh shakhtakh. Moskva, Ugletekhnizdat, 1953. 226 p.
(MIRA 8:4)

1. Russia (1923- U.S.S.R.) Ministerstvo ugol'noy promyshlennosti.
(Coal mines and mining--Safety measures)

LALAYANTS, A.M., redaktor; ABRAMYAN, A.A., redaktor; GUBERMAN, I.D., redaktor,
DOKUNIN, A.V., redaktor; ZASADYCH, B.I., redaktor; IVANENKO, G.I., re-
daktor; LETOV, N.A., redaktor; MELAMED, Z.H., redaktor; LIVSHITS, I.I.,
LOKSHIN, V.A., redaktor; MONIN, G.I., redaktor; SUMCHENKO, V.A., redak-
tor; TOPCHIYEV, A.V., redaktor; SHEVALDIN, A.S., redaktor; SIROVA, V.A.,
redaktor; ANDREYEV, G.G., tekhnicheskiy redaktor; PROZOROVSKAYA, V.L.,
tekhnicheskiy redaktor.

[Materials and equipment used in the coal industry; a reference manual]
Materialy i oborudovanie, primenyaemye v ugol'noi promyshlennosti;
spravochnik. Moskva, Ugletekhizdat. Vol.1.[Materials] Materialy. Pt.2.
1955. 544 p.
(Coal mines and mining--Equipment and supplies) (MIRA 9:5)

LALAYANTS, A.M., redaktor; ABRAMYAN, A.A., redaktor; GRIEBERMAN, I.D.,
redaktor; DOKUKIN, A.V., redaktor; ZASADYCH, B.I., redaktor;
IVANENKO, G.I., redaktor; LETOV, N.A., redaktor; MELAMED, Z.M.
redaktor; LIVSHITS, I.I., redaktor; LOKSHIN, V.A., redaktor;
MONIN, G.I., redaktor; SUMCHENKO, V.A., redaktor; TOPCHIEV, A.V.,
redaktor; SHEVALDIN, A.S., redaktor; SUROVA, V.A., redaktor;
ANDREYEV, G.G., tekhnicheskiy redaktor; PROZOROVSKAYA, V.L.,
tekhnicheskiy redaktor.

[Material and equipment used in the coal industry] Materialy i
oborudovanie, primenyaemye v ugol'noy promyshlennosti; spravochnik
Moskva, Ugletekhizdat. Vol.1 [Material---Wholesale prices in effect
as of July 1, 1955] Materialy. Pt. 1.1955. 786 p. -- Ootpvye tseny,
vvedenye s 1 iulija 1955. g. 192 p. [Microfilm] (MLRA 9:1)
(Coal mining machinery) (Coal mines and mining)

MELAMED, Z.M.

LALAYANTS, A.M., glavnnyy redaktor; ABRAMYAN, A.A., otvetstvennyy redaktor;
GUHERMAN, I.D., redaktor; DOKUKIN, A.V., redaktor; ZASADYCH, B.I.,
redaktor; LETOV, N.A., otvetstvennyy redaktor; LIVSHITS, I.I.,
redaktor; LOKSHIN, V.A., redaktor; MELAMED, Z.M., redaktor; MONIN,
G.I., redaktor; SUMCHENKO, V.A., redaktor. TOPCHIYEV, A.B., redak-
tor; SHEVALDIN, A.S., redaktor; YEGURNOV, G.P., redaktor; LYUBIMOV,
N.G., redaktor izdatel'stva; ANDREYEV, G.G., tekhnicheskiy redaktor;
PROZOROVSKAYA, V.L., tekhnicheskiy redaktor.

[Material and equipment used in the coal industry; a reference
manual] Materialy i oborudovanie, primenyaemye v ugol'noi pro-
mishlennosti; spravochnik. Moskva, Ugletekhizdat. Vol.2. [Equip-
ment] Oborudovanie. Pt.1. 1956. 455 p. (MLRA 10:4)

(Coal mines and mining--Equipment and supplies)

MELAMED, Z. M.

LALAYANTS, A.M., redaktor; ABRAMYAN, A.A., redaktor; GUBERMAN, I.D., redaktor;
DOKUKIN, A.V., redaktor; ZASADYCH, B.I., redaktor; LETOV, N.A.,
redaktor; LIVSHITS, I.I., redaktor; LOUSHIN, V.A., redaktor; MELAMED,
Z.M., redaktor; MONIN, G.I., redaktor; SUMCERENKO, V.A.; TOPCHIYEV, A.V.,
redaktor; SHEVALDIN, A.S., redaktor; YEGURNOV, G.P., redaktor;
LYUBIMOV, N.G., redaktor izdatel'stva; PROZOROVSKAYA, V.L., tekhnicheskiy
redaktor

[Materials and equipment used in the coal industry; a reference manual]
Materialy i oborudovanie, primenяemye v ugol'noi promyshlennosti;
spravochnik. Moskva, Ugletekhnizdat. Vol.2. [Equipment] Oborudovanie.
Pt.2. 1957. 485 p.
(MLRA 10:9)

(Coal mining machinery)

ГЛАВИЦА

GRAFOV, L.Ye., red.; GUBERMAN, I.D., red.; ZADEMIDKO, A.M., red.; ZASYAD'KO, A.F., red.; KRASNIKOVSKIY, G.V., red.; KUZ'MICH, A.S., red.; LALAYNTS, A.M., red.; MEL'NIKOV, L.G., red.; MINDELI, E.O., kand. tekhn.nauk; ONIKA, D.G., doktor tekhn.nauk, red.; PANOV, A.D., red.; POCHENKOV, K.I., red.; TERPIGOROV, A.M., akademik, red.; USKOV, A.A., red.; KHARCHENKO, A.K., red.; SHCHEDRIN, M.A., red.; BOYKO, A.A., red.; MELAMED, Z.M., kand.tekhn.red.; PERVUKHIN, A.G., red.; BARABANOV, F.A., red.; SOSNOV, G.A., red.; TSYPKIN, V.S., red.; ALADOVA, Ye.I., tekhn.red.

[Restoration of the coal industry in the Donets Basin] Vosstanovlenie ugol'noi promyshlennosti Denetskogo basseina. Moskva, Gos. nauchno-tekhn.izd-ve lit-ry po ugol'noi promyshl. Ugletekhizdat. Vol.1. 1957. 371 p. Vol.2. 1957. 782 p. (MIRA 11:4)
(Donets Basin--Coal mines and mining)

11. EX-AMINED 21. 11.

IAKAYANTS, A.M., glavnyy red.; ABRAMYAN, A.A., red.; GUBERMAN, I.D., red.;
DOKUKIN, A.V., red.; ZASADYCH, B.I., red.; LETOV, N.A., red.;
LIVSHITS, I.I.; LOKSHIN, V.A.; MELAMED, Z.M.; MONIN, G.I.; SUMCHENKO,
V.A.; TOPCHIYEV, A.V.; SHEVALDIN, A.S.; YEGURNOV, G.P., red.;
LYUBIMOV, N.G., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.

[Materials and equipment used in the coal industry: a handbook]
Materialy i oborudovanie, primenyaemye v ugol'noi promyshlennosti;
spravochnik. Moskva, Ugletekhizdat. Vol.2. [Equipment] Oborudovanie.
Pt.3. 1957. 655 p. (MIRA 11:2)
(Coal mines and mining--Equipment and supplies)

MELAMED, Z.M., kand.tekhn.nauk

Reducing mining machinery repair costs. Ugol' 33 no.10:13-15
O '58.
(Coal mining machinery--Maintenance and repair)
(Coal mines and mining--Costs)

BUCHNEV, V.K., prof., doktor tekhn. nauk; KALININ, R.A., dotsent; KORABLEV, A.A., kand. tekhn. nauk; MONIN, G.I., inzh.; BELYAYEV, V.S., kand. tekhn. nauk; MERKULOV, V.Ye., inzh.; ALEKSEYENKO, V.D., inzh.; IL'SHTEYN, A.M., kand. tekhn.nauk; GELESKUL, M.N., kand. tekhn.nauk; KOBISHCHANOV, M.A., kand. tekhn.nauk; DOBROVOL'SKIY, V.V., kand. tekhn. nauk; MALYSHEV, A.G., inzh.; VOROPAYEV, A.F., prof., doktor tekhn. nauk; LIDIN, G.D., prof., doktor tekhn.nauk; TOPCHIYEV, A.V., prof.; VEDERNIKOV, V.I., kand. tekhn.nauk; KUZ'MICH, I.A., kand. tekhn. nauk; LEYTES, Z.M., inzh.; SYSOYEVA, V.A., kand. tekhn. nauk; MELAMED, Z.M., kand. tekhn.nauk; CHERNAVKIN, N.N., inzh.; KARPILOVICH, M.Sh., inzh.; MEL'KUMOV, L.G., inzh.; BOGOPOL'SKIY, B.Kh., inzh.; FROLOV, A.G., doktor tekhn.nauk; KHVOSTOV, F.K., inzh.; BAGASHEV, M.K., kand. tekhn. nauk; KAMINSKIY, I.N., inzh.; PETROVICH, T.I., inzh.; ZHUKOV, V.V., red. izd-va; LOMILINA, L.N., tekhn. red.; PROZOROVSKAYA, V.L., tekhn. red.

[Mining engineers' handbook] Spravochnik gornogo inzhenera.
Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po gornomu delu, 1960.
(MIRA 14:1)

(Mining engineering--Handbooks, manuals, etc.)

MELAMED, Z.M., kand. tekhn. nauk; GERCHIKOV, I.S., otv. red.; POLYAKOVA, Z.V., red.; GERASIMOV, V.F., tekhn. red.

[Uncovering the potentials for and the ways of increasing the capacity of hoists in operating mines] Vyjavlenie rezervov i puti povysheniia propusknoi sposobnosti podzemnykh ustavok deistviushchikh shakht. Moskva, Inst gornogo dela im. A.A.Skochinskogo, 1962. 49 p. (MIRA 15:12)

(Mine hoisting)

FROLOV, A.G.; KOZLOVSKIY, S.I.; MELAMED, Z.M.; GERCHIKOV, I.S.; UVAROV, S.G.;
ZVENIGORODSKAYA, G.V.; KOSTAN'YAN, A.Ya., red.izd-va;
SHEVCHENKO, G.N., tekhn. red.; PRUSAKOVA, T.A., tekhn. red.

[Principles for the improvement of industrial complexes on
mine surfaces] Osnovy sovershenstvovaniia tekhnologicheskikh
kompleksov poverkhnosti shakht. [By] A.G.Frolov i dr. Mo-
skva, Izd-vo AN SSSR, 1963. 135 p. (MIRA 16:12)

1. Moscow. Institut gornogo dela.
(Mine buildings)

PANOV, Pano, inzh.; MELAMED, Zhuli, inzh.; KURCHEV, Stefan, inzh.;
PARKHOMENKO, Vadim, inzh.

The corrosion and abrasion-resistant pumps. Tekhnika Bulg 12
no.4:19-21 '63.

MELAMED, Z.M.

Hoisting with screw feeders. Ural' 39 no. 1:53-55 5 '54.

(MIA 17:10)

1. Institut ornogo dela im. A.A. Skochinskogo.

MELAMEDOV, I.

New educational motion pictures. Geog. v shkole 26 no.1:78-79
Ja-F '63. (MIRA 16:5)
(Geography—Audio-visual aids) (Motion pictures in education)

3752870 / 340700 - 102112
D225/D305

AUTHOR: Melamedov, I.M.

TITLE: On the acceptance control of the quality of
industrial production (Polish Plan only)

PERIODICAL: Standartizatsiya, no. 7, 1981, p. 1-50

TEXT: The standards in Poland were developed in 1978. The Polish standard "The Analysis of Production According to Alternative Evaluation from Small Samples" (PN-N-0373-78) which is an addition to "Acceptance According to Alternative Evaluation" (PN-73-601) contains the plan of control which can be applied when tests are either destructive or expensive. For the selection of a control plan there is a statistical table. Every control plan is defined by four parameters: the size of the sample n , the admissible number of defective units in the sample (acceptance number) C and the percentage of defective units, q_1 and q_2 at which the acceptance probability of the lot is 0.9 and 0.95 respectively. Below is a list of the plan.

Стаундарты

O₂ (15% w/v) was used as a carrier gas.

S. - 1900-1901. - 1902-1903.

卷之三

On the acceptance control...
S/528/617 GOV/T C-100002
D220/D;JF

$1 - \alpha_1$ (where α_1 - the risk of the manufacturer) and, when the defectivity of a lot is $\omega_2 > \omega_1$, the probability of acceptance is β_2 (β_2 - the risk of consumer). In the standard, $\alpha_1 = \beta_2 = 0.05$. It is evident how to use the table by assuming defectivity ω_1 and ω_2 , or ω_1 and sampling size n . The numerical characteristics of sampling are evaluated using the inequalities: $X + k_s \leq g$ or $X - k_s \geq b$ where X and k are the mean value and standard deviation of measurement in sampling, and b and g are the top and bottom limits of the numerical characteristic. b - the plan parameter is found from the standard tables given. When conditions are fulfilled the lot may be accepted. There are 1 figure and 6 tables.

Card 3/3

MSLAMEDOV, I. A.

The use of motion pictures in secondary education. Moscow, Izd-vo Akademii redatel'stvi nauk ASFSR, 1954. 125 p. (pedagogicheskais biblioteka uchitelia, 55-447)

LB1044.M365

MELAMEDOV, I.Ya.

Use of motion pictures in a geography course at a pedagogical
institute. Geog. v shkole 18 no.3:30-36 My-Je '55.

(MIRA 8:9)

(Motion pictures in education) (Geography--Study and teaching)

MELAMEDOV, I.Ya.

New motion pictures on geography. Geog.v shkole 23 no.2:
75-77 Mr-Ap '60. (MIRA 13:6)
(Geography) (Motion pictures in education)

MELAMEDOV, I.

New motion pictures on geography. Geog. v shkole 23 no. 6:72-
73 N-D '60. (MIRA 13:11)
(Geography) (Motion pictures in education)

MELAMEDOV, I.Ya.

New educational motion picture on geography. Geog. v shkole
25 no.1:67 Ja-F '62. (MIRA 15:1)
(Motion pictures in education)
(Physical geography--Study and teaching)

MELAMEDOV, I.

New educational motion pictures. Geog. v shkole 25 no.4:68-70
Jl-Ag '62. (MIRA 15:8)

1. Leningradskiy gorodskoy institut usovershenstvovaniya uchiteley.
(Motion pictures in education)

MELAMEDOV, I.Ya.

New educational motion pictures. Geog. v shkole 26 no.3:74-75
My-Je '63. (MIRA 16:6)
(Geography--Audio-visual aids)
(Motion pictures in education)

MELAMEDOV, I.Ya.

Union republics of the U.S.S.R. in educational motion pictures.
Geog. v shkole 26 no.6:68-70 N-D '63. (MIRA 17:1)

1. Leningradskiy gorodskoy institut usovershenstvovaniya uchiteley.

MELAMEDOV, M.I., red.; PAVZNER, A.S., red. izd-va; TOKER, A.M., tekhn. red.

[Manual of consolidated indices of the cost of planning and research. In force as of 1 January, 1958] Spravochnik ukrupnennykh pokazatelei stoimosti proektnykh i izyskatele'skikh rabot. Vvoditsia v deistvie s 1 Ianvaria 1958 g. Pt.25. [Enterprises and structures for communications and signaling] Predpriatiia i sooruzheniya sviazi i signalizatsii. Moskva, Gos. izd-vo lit-ry po stroit. i arkhit. 1957. 46 p.
(MIRA 11:8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva.
(Telecommunication)

MIKHAYLOVSKIY, P.A., red.; SOKOLOV, B.A., red.; MELAMEDOV, M.I., red.

[Construction specifications and regulations] Stroitel'nye normy i pravila. Moskva, Stroizdat. Pt.3. Sec.E. ch.3.
[Interurban telephone and telegraph exchanges; regulations for operation] Stantsionnye sooruzheniya mezhdugorodnoi provodnoi sviazi; pravila proizvodstva montazhnykh rabot i priemki v ekspluatatsii (SNiP III-E. 3-62). 1964. 8 p.
(MIRA 17:9)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosstroy SSSR (for Mikhaylovskiy, Sokolov). 3. Gosudarstvennyy institut po izyskaniyam i proyektirovaniyu sooruzheniy svyazi Ministerstva svyazi SSSR (for Melamedov).